

VB/I-70 Community Health Program – Working Group Evaluation January 2006
Neighborhood Biomonitoring Clinics Measures
11/2004 through 10/01/2005

SDMS Document ID



2047004

	Curtis Park	Elyria- Swansea	SW Globeville	Clayton	Cole	Outside in Daycare	Outside	Total VB/I-70	Overall Total
Clinics	6	8	0	8	10	3		35	35
Families Attending	22	85	0	42	73	34	63	256	319
Child lead (<18 yrs)	39 (8%)	139 (28%)	0 (0%)	81 (16%)	106 (21%)	39 (8%)	96 (19%)	404	500
Other adult lead (18 yrs+)	1	0	0	0	1	n/a	2	2	4
Pregnant	2	4	0	5	8	n/a	7	19	26
All lead tests	42 (8%)	143 (27%)	0 (0%)	86 (16%)	115 (22%)	39 (7%)	105 (20%)	425	530
Child arsenic (<18 yrs) – urine	12	22	0	16	24	0	11	74	85
Child arsenic (<18 yrs) – hair	1	7	0	7	6	0	4	21	25
All arsenic tests (<18 yrs)	13 (12%)	29 (26%)	0 (0%)	23 (21%)	30 (27%)	0 (0%)	15 (14%)	105	110

n/a = not applicable

Measure Definitions

Families Attending: families attending biomonitoring clinic

Child lead (<18 yrs): capillary lead tests – children under 18 years of age

Pregnant: capillary lead tests – pregnant women

Other adult lead (18 yrs+): capillary lead tests – non-pregnant adults, 18 years and older

All lead tests: all capillary lead tests (children <18 yrs, pregnant women, non-pregnant adults 18 years and older)

Child arsenic (<18 yrs) – urine: urine arsenic tests – children under the age of 18

Child arsenic (<18 yrs) – hair: hair arsenic tests – children under the age of 18

All arsenic tests (<18 yrs): all arsenic tests (urine and hair) – children under the age of 18

Outside in Daycare: children in VB/I-70 daycare – residence outside of VB/I-70 Superfund project boundaries

Outside: families and/or persons living outside of VB/I-70 Superfund project boundaries

Total VB/I-70: total VB/I-70 clinics, participants, or tests (includes resident/daycare children & families, and associated tests)

LEAD DATA SUMMARY

Totals

As of 11/30/05

Totals

Age	Total Number Tests	% of Total Tests by Age
<12 months	22	4
12 - 23 months	45	8
24 - 35 months	64	12
36 - 71 months	215	40
72 months - 17 years	187	31
>=18 years (not pregnant)	11	2
Pregnant	19	3
Totals	543	

Results

Number Tests with Lead level <5	% by age Tests <5	Number Tests with Lead level 5-9.9	% by age level 5 to 9.9	Number Tests with Lead level 10-19.9	% by age level 10 to 19.9	Number Tests with Lead level 20-44.9	% by age level 20 to 44.9	Number Tests with Lead level >=45	% by age level >45	Number Tests with blood sample QNS*	Number of Tests tested w/o results
19	4	3	3	0	0	0	0	0	0	0	0
27	6	10	11	2	100	0	0	0	0	6	0
43	10	20	22	0	0	0	0	0	0	0	1
162	38	43	47	0	0	1	50	0	0	9	0
148	35	14	15	0	0	1	50	0	0	4	0
11	3	0	0	0	0	0	0	0	0	0	0
17	4	2	2	0	0	0	0	0	0	0	0
427		82		2		2		0		19	1

* Quantity Not Sufficient

Total Participants = 532
 80% of participants <5
 17% of participants <5 to 9.9
 0.38% of participants 10 to 19.9
 0.38% of participants 20 to 44.9
 0% of participants 45 or greater
 1.5% of participants - QNS retests pending
 0.19% of participants - analysis pending

only 22% had been screened before

↓
 is this higher than city-wide Ave.?

Elevated Blood Lead Data

Number Elevated Screens	Number Confirmed Elevations	% Confirmed EBLL All screens (532)	Outstanding QNS Retests
4	3 (2 families)	0.56%	8

Confirmed Elevated Blood Lead ~ Environmental Investigations

Investigation Referrals: 2 families (3 children)

Investigations Completed: 2

Source Identification: paint – likely